

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Shoujun Chen, Lijun Sun, Zhi-Qiang Xia, Keizo Koya and Mitsunori Ono

Continuation Application of

Application No.: 10/193,076

Filed: July 10, 2002

For: SYNTHESIS OF TAXOL ENHANCERS

Date: 03/24/04

**EXPRESS MAIL LABEL NO. EV 052029353 US**

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or  
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or  
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:  
☐ a Statement under 37 CFR 1.97(e), as checked below, or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:  
☐ a Statement under 37 CFR 1.97(e), as checked below, and  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):  
Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.  
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
- ☐ Copies of the cited references are enclosed.
- ☐ Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
- ☒ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. 10/193,076, to which priority under 35 U.S.C. 120 is claimed. The earlier application contains copies of the cited references.
- ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
- ☐ The "concise explanation" requirement (non-English references) for reference(s) [ ] under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
- ☐ the explanation provided in the Specification.
- ☐ submission of the enclosed International Search Report.
- ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
- ☐ the enclosed English language abstract.

[X] Applicants request that the following non-published pending applications be considered:

Examiner's  
Initials

\_\_\_\_ U.S. Patent Application No. 10/193,076, by inventors Shoujun Chen, Lijun Sun, Zhi-Qiang Xia, Keizo Koya and Mitsunori Ono, filed July 10, 2002, Docket No.: 3211.1002-001

\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_  
Examiner

\_\_\_\_\_  
Date

[ ] A copy of the current claims for the above-cited application is enclosed.

[X] The specification for the above cited pending application is identical to the present specification. Therefore, only copies of the current claims for this application are provided. The current application is a continuation of **U.S. Application No. 10/193,076** to which priority under 35 U.S.C. 120 is claimed. A copy of the specification of the pending application will be provided upon request.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

[ ] A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.

[ ] Please charge Deposit Account 08-0380 in the amount of \$[ ]. A copy of this Statement is enclosed.

[X] Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By

  
\_\_\_\_\_  
Steven G. Davis

Registration No.: 39,652

Telephone: (978) 341-0036

Facsimile: (978) 341-0136

Concord, MA 01742-9133

Dated:

March 24 2004

PTO-1449 REPRODUCED  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>March 24, 2004</b>  (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3211.1002-021		APPLICATION NO. Con't. of 10/193,076	
	FIRST NAMED INVENTOR Shoujun Chen		FILING DATE	
	EXAMINER Not yet assigned	CONFIRMATION NO. Unknown	GROUP Unknown	

## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	AA	6,656,971	12-02-2003	Wu <i>et al.</i>
	AB	6,365,745	04-02-2002	Matsui <i>et al.</i>
	AC	6,235,787	05-22-2001	Broadhurst <i>et al.</i>
	AD	6,172,108	01-09-2001	Vega <i>et al.</i>
	AE	6,399,659	06-04-2002	Usui <i>et al.</i>
	AF	6,172,188	01-09-2001	Thastrup <i>et al.</i>
	AG	6,013,836	01-11-2000	Hsu <i>et al.</i>
	AH			
	AI			
	AJ			
	AK			
	AA2			
	AB2			
	AC2			
	AD2			
	AE2			
	AF2			
	AG2			
	AH2			
	AI2			
	AJ2			
	AK2			
	AA3			
	AB3			
	AC3			

EXAMINER	DATE CONSIDERED
----------	-----------------

PTO-1449 REPRODUCED  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>March 24, 2004</b>  (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3211.1002-021		APPLICATION NO. Con't. of 10/193,076	
	FIRST NAMED INVENTOR Shoujun Chen		FILING DATE	
	EXAMINER Not yet assigned	CONFIRMATION NO. Unknown	GROUP Unknown	

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO	
	AL	CH482394A	12-15-1969	Haddock <i>et al.</i>		
	AM					
	AN					
	AO					
	AP					
	AQ					
	AL2					
	AM2					
	AN2					
	AO2					
	AP2					
	AQ2					
	AL3					
	AM3					
	AN3					
	AO3					
	AP3					
	AQ3					
	AL4					
	AM4					
	AN4					
	AO4					
	AP4					
	AQ4					

EXAMINER	DATE CONSIDERED
----------	-----------------

PTO-1449 REPRODUCED  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>March 24, 2004</b>  (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3211.1002-021		APPLICATION NO. Con't. of 10/193,076	
	FIRST NAMED INVENTOR Shoujun Chen		FILING DATE	
	EXAMINER Not yet assigned		CONFIRMATION NO. Unknown	GROUP Unknown

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
AR	Greene, T. W. <i>et al.</i> , "Protection For The Carboxyl Group," <i>Protective Groups in Organic Synthesis</i> , Third Edition, 5, pp. 369-453.	
AS	Greene, T. W. <i>et al.</i> , "Protection For The Amino Group," <i>Protective Groups in Organic Synthesis</i> , Third Edition, 7, pp. 494-653.	
AT	Henderson, N. D. <i>et al.</i> , "Synthesis of new bifunctional compounds which selectively alkylate guanines in DNA," <i>Anti-Cancer Drug Design</i> , 13:749-768 (1998).	
AU	Metzner, P. <i>et al.</i> , "Sulfur Reagents in Organic Synthesis," <i>Best Synthetic Methods</i> , pps. 30-185.	
AV	"Activating Agents and Protecting Groups," <i>Handbook of Reagents for Organic Synthesis</i> , pps. 133-135.	
AW	Tsuji, T., <i>et al.</i> , "Synthesis and Reactions of N-Aminothiouracils and Thiadiazolo [3,2- $\alpha$ ] pyrimidinones," <i>Chem. Pharm. Bull.</i> 26(9):2765-2767 (1978).	
AX	Przheval, N. M., <i>et al.</i> , "A New General Synthesis of Bistetrafluoroborates of 2,3,4,5- Tetrasubstituted 1,3,4-Thia-diazoliums," <i>Synthesis</i> 5:463-464 (1993).	
AY	Badawy, M. A., "Synthesis and Reactions of 1,2,4-Triazino-1,2,4-Triazines," <i>Sulfur Letters</i> 11(1+2):21-28 (1990).	
AZ	Mohamed, M. M., <i>et al.</i> , "Synthesis & Some Reactions of 2-( $\alpha/\beta$ -Naphthyl)-3,1-benzoxazin-4(H)-ones 3-Amino-2-( $\beta$ -naphthyl)quinazolin-4(3H)-one," <i>Indian Journal of Chemistry</i> 25B(2):207-211 (1986).	
AR2	Barta-Szalai, G., <i>et al.</i> , "Electron Deficient Heteroaromatic Ammonioamidates. XVII. N-(3-Quinazolinio)amidates. VI. The Photochemistry of N-(3-Quinazolinio)amidates in the Presence of $\alpha$ -Toluenethiol," <i>Acta Chemica Scandinavica B</i> 33:79-85 (1979).	
AS2	Ueda, H. and Ohta, M., "Studies on Sulfur-Containing Heterocyclic Compounds," <i>Nippon Kagaku Zasshi</i> , 80:571-574 (1959).	
AT2	Molina, P., <i>et al.</i> , "Preparation of a Novel Type of Ligands Incorporating Two or Three 1,3,4-Thiadiazole Units," <i>Heterocycles</i> 36(6):1263-1278 (1993).	
AU2	Molina, P., <i>et al.</i> , "Methyl 2-Methyldithiocarbazate in Heterocyclic Synthesis: Preparation of 2,5-Disubstituted 1,3,4-Thiadiazoles, Bis(1,3,4-Thiadiazolium) Salts and Macrocycles containing 1,3,4-Thiadiazole Subunits, X-Ray Crystal Structure of 2,2'-Bis[4,5-dihydro-5-(2-hydroxyethylimino)-4-methyl-1,3,4-thiadiazole]," <i>J. Chem. Soc. Perkin Trans. 1</i> 5:1159-1166 (1991).	

EXAMINER	DATE CONSIDERED
----------	-----------------

PTO-1449 REPRODUCED  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>March 24, 2004</b>  (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3211.1002-021		APPLICATION NO. Con't. of 10/193,076	
	FIRST NAMED INVENTOR Shoujun Chen		FILING DATE	
	EXAMINER Not yet assigned	CONFIRMATION NO. Unknown	GROUP Unknown	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AV2	Branch, C. L., <i>et al.</i> , "Synthesis of 6-Hydroxy-2-Methyl-3-Thioxo-2H-1,2,4-Triazin-5-one," <i>Synthetic Communications</i> 26(11):2075-2084 (1996).
	AW2	Schwarz, J. and Just, H., "Virustatic Thiosemicarbazides," CA77:48081 (1972).
	AX2	Rupp, W., "5-Amino-1,3,4-Thiadiazole Compounds," CA76:126992 (1972).

EXAMINER	DATE CONSIDERED
----------	-----------------